

Message Text

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43

ACTION SCI-06

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FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC 3076

INFO AEC GERMANTOWN

UNCLAS IAEA VIENNA 5568

E. O. 11652: N/ A

TAGS: IAEA, TECH

SUBJECT: VISIT TO US BY IAEA SAFEGUARDS STAFF MEMBER

REF: IAEA VIENNA 5067

1. IN ADDITION NBL VISIT DISCUSSED REFTTEL, CLARK PLANNING FOLLOWING VISITS DURING PERIOD JULY 10 THRU 13, FOR SUBJECTS INDICATED:

NBS - FAMILIARIZATION OF IAEA WITH NEW 16 MM CAMERA SURVEILLANCE SYSTEM

USAEC - IAEA FUTURE PARTICIPATION AT MORRIS; ASSISTANCE IN DEFINING NEED AND PROVIDING STANDAR REFERENCE MATERIALS (NDT AND ANALYTICAL); ADVICE ON SAMPLE SHIPPING CONTAINERS - SAL - NWAL; AEC INSTRUMENT DEVELOPMENT PROGRAM; AEC FUTURE FUNDING AT MORRIS.

ACDA- ACDA FUTURE FUNDING AT MORRIS; IAEA FUTURE PARTICIPATION AT PICKERING; PLANS FOR TESTING OF MARK II NEUTRON TRACK ETCH MONITOR IN UK FACILITIES; IAEA PARTICIPATION AT MORRIS; TESTING OF IAEA SURVEILLANCE INSTRUMENTS AT PICKERING; BDM STATUS REPORT, FUTURE ROLE, CONTRACT STATUS.

2. CLARK WOULD APPRECIATE SCHEDULE BY ARRANGED WITH APPROPRIATE PERSONNEL (E. G. MCDOWELL, AEC/ NUMS, STIEFF, ACDA) TO COVER FOREGOING TOPICS. UNDER STANDARD REFERENCE MATERIAL ITEM, HE WISHES VIEWS ON RECOMMENDED UNCLASSIFIED

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MATERIALS FOR PLANNED IAEA SAFEGUARDS ANALYTICAL LAB NETWORK, THEIR AVAILABILITY AND COSTS. HE ALSO WILL WISH ASSISTANCE IN ARRANGING VISIT GE- MORRIS FUEL PROCESSING PLANT ABOUT AUGUST 26.

3. PURPOSE OF VISIT GE- MORRIS IS TO DISCUSS: STATUS OF INSTRUMENTATION, CALIBRATION, TESTING, PERFORMANCE; SUPPORTING ROLE BY GE PERSONNEL; FUTURE UTILIZATION OF INSTRUMENTATION BY GE PLANT; ROLE IN INSTRUMENT DATA COLLECTION AND CORRELATION WITH PLANT DATA; IAEA- ACDA- AEC PARTICIPATION; IAEA- GE CONTRACT STATUS.

4. CLARK ALSO PLANNING VISIT PNL, RICHLAND, WASHINGTON, ABOUT AUG 8 TO DISCUSS STATUS OF CURRENT SAFEGUARDS VERIFICATION STUDIES AND MASS SPECTROMETRY ANALYSES OF SMALL DISSOLVER SOLUTION SAMPLES AND OTHER MATERIALS OF SAFEGUARDS INTEREST. CLARK HAS MADE APPOINTMENT WITH R. L. SCHNEIDER, PNL, FOR THIS PURPOSE.

5. CLARK HAS MADE ARRANGEMENTS TO VISIT AVCO, TULSA, ABOUT JULY 29 TO DISCUSS SAL MASS SPECTROMETER PERFORMANCE.

6. CLARK WILL RETURN WASHINGTON ABOUT AUG 28 FOR FURTHER DISCUSSIONS. IN PARTICULAR, HE WISHES DISCUSS WITH MCDOWELL, AEC/ NUMS, SPECIFICATIONS FOR SECOND SAL MASS SPECTROMETER. DRAFT SPECS AIRPOUCHED MCDOWELL. CLARK WOULD APPRECIATE DRAFT ALSO BEING FORWARDED TO D. O. COLLINS, KAPL, AND J. E. REIN, LASL, FOR THEIR COMMENTS, AS WELL AS REIN'S COMMENTS ON OPERATING EXPERIENCE TWO AVCO THERMAL IONIZATION INSTRUMENTS AT LASL BELIEVED TO BE SIMILAR TO AVCO SERIES 900 MASS SPEC NOW UNDERGOING INITIAL MEASUREMENTS AT SAL. CLARK PARTICULARLY INTERESTED IN LASL EXPERIENCE IN SAMPLE SIZES (FILAMENT LOADING) FOR ROUTINE ANALYSIS OF U AND PUR; SAMPLES PREPARATION AND TREATMENT; EXPERIENCE IN MINOR ISOTOPE ANALYSIS AND ISOTOPE DILUTION METHOD: SAMPLE RATES; TYPE OF FILAMENT, TREATMENT, PURITY OF RIBBON AND NAME OF SUPPLIER.

7. MISSION SUGGESTS MCDOWELL OBTAIN DESIRED COMMENTS
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FROM COLLINS AND REIN FOR DISCUSSION WITH CLARK ABOUT
AUG 28. LABOWITZ

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